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COMMERCIAL-IN-CONFIDENCE

Document 75954104-15 Issue 01
Contains FCC ID: 2ATFX-102540

915 MHz Transmitter:

FCC General RF Exposure Test Exemption Guidance (KDB 447498 D04 v01 Appendix B)

SAR or MPE based evaluation is not required if any of the applicable Steps 1, 2 or 3 are met (Ref: KDB 447448 Figure A.1).

Step 1: All Devices: Blanket 1 mW Exemption (100 kHz – 100 GHz)

Reference: FCC CFR 47 Part 1.1307(b)(3)(i)(A).

Frequency (MHz)	Conducted Power Output mW	Duty Cycle %	Time Average Conducted Power Output mW	Antenna Gain Ratio	Maximum Power (EIRP) mW	Maximum Power (ERP) mW	Test Separation Distance (mm)	All devices: 1.1307(b)(3)(i)(A) Blanket 1 mW Exemption (Yes/No)* (100 kHz to 100 GHz)
915	15.84893192	0.000001	1.58489E-07	0.83176	1.31825E-07	0.00	250	Yes

*Based on conducted power output or ERP whichever is greater, compared to the 1 mW exemption threshold.

Approved by

Matt Russell
Authorised Signatory

Date 04 July 2022



The SAR and MPE exclusion thresholds have been evaluated using the formula described above from information supplied by the manufacturer below. Based on the calculations above, the product is categorically excluded from SAR or MPE evaluation.

Manufacturer's Declaration of Product information:

Technical Description: <i>(Please provide a brief description of the intended use of the equipment)</i>	The "Sensor RF module 2AA (US)" is a platform for connecting various sensors to the RF network of Disruptive Technologies. The module reads values from a connected sensor and converts the data into the right format for transmission on air using the proprietary SDS protocol. The device is battery operated.
Manufacturer:	Zollner Elektronik AG, Manfred-Zollner-Str. 1, 93499 Zandt, Germany
Model:	Sensor RF module 2AA (US)
Part Number:	102540

If more than one frequency band is supported, please confirm which combinations of bands are capable of Simultaneous Transmit.	
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Frequency Band 1: 915 MHz ISM band .

Antenna Model:	PCB antenna	
Antenna length:	14	cm
Middle frequency:	915	MHz

Maximum power (input to the antenna including a tolerance):	12	dBm
Antenna gain (or maximum gain allowed):	-0.8	dBi

Or

Field Strength Measurement:		dBμA/M
Measurement Distance:		cm

Separation distance from antenna to the user/bystander	25	cm
Transmitter Duty Cycle:	0.000001	%